

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>HM/5-22840/HEK 2</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/EP 03/03603</b>	International filing date (day/month/year) <b>07/04/2003</b>	(Earliest) Priority Date (day/month/year) <b>12/04/2002</b>
Applicant  <b>CIBA SPECIALTY CHEMICALS HOLDING INC</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

**USE OF HYDROXYDIPHENYL ETHER DERIVATIVES AS ARYLSULFATASE-INHIBITORS IN DEODORANTS AND ANTIPERSPIRANTS**

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.

## Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The invention relates to the use of selected hydroxydiphenyl ether derivatives as arylsulfatase-inhibiting substances in a cosmetic deodorant or antiperspirant composition for reducing body odour caused by decomposition of steroid esters.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/03/03603

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K7/32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 053 989 A (CIBA SC HOLDING AG) 22 November 2000 (2000-11-22) cited in the application claims 1,6,10 paragraphs '0066!-'0069!', '0075!', '0078! ---	1-9
X	WO 97 46218 A (CIBA GEIGY AG ; SCHNYDER MARCEL (CH); OCHS DIETMAR (DE)) 11 December 1997 (1997-12-11) claims 1-5,13,16 page 9, paragraph 4 ---	1-9
X	DE 12 88 747 B (HENKEL & CIE GMBH) 6 February 1969 (1969-02-06) column 7, line 5-12 claim 1 column 1, line 1-6,63-68 ---	1-3,6-9
	-/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

20 June 2003

Date of mailing of the international search report

30/06/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Hauss, R

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/ 3/03603

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 02 50008 A (COBURN ROBERT ALLAN ;HUNTLEY MARIANNE DUDICK (US); WARNER LAMBERT) 27 June 2002 (2002-06-27) example 3 claims 1-6 page 16, line 22 -page 18, line 20 ----	1-4,6-9
P,X	WO 03 002072 A (OREAL ;FORESTIER SERGE (FR); COURBIERE CHRISTOPHE (FR)) 9 January 2003 (2003-01-09) example claims 1,2,8,21 page 1, line 28 -page 3, line 11 ----	1-9
P,X	WO 03 002080 A (OREAL ;FORESTIER SERGE (FR); COURBIERE CHRISTOPHE (FR)) 9 January 2003 (2003-01-09) examples 1-3 claims 1-3,23,35 page 1, line 1 -page 5, paragraph 2 ----	1-9
A	WO 01 99376 A (HENKEL KGAA) 27 December 2001 (2001-12-27) claims page 1-2 -----	1-9

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/93/03603

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1053989	A	22-11-2000	EP 1053989 A2	22-11-2000
			BR 0002441 A	02-01-2001
			CN 1275376 A	06-12-2000
			JP 2001011005 A	16-01-2001
WO 9746218	A	11-12-1997	AU 2959497 A	05-01-1998
			BR 9709422 A	10-08-1999
			CA 2252555 A1	11-12-1997
			CN 1220597 A	23-06-1999
			DE 69715421 D1	17-10-2002
			WO 9746218 A2	11-12-1997
			EP 1201229 A1	02-05-2002
			EP 0914085 A2	12-05-1999
			ES 2182077 T3	01-03-2003
			JP 2000512276 T	19-09-2000
			TW 464491 B	21-11-2001
			US 6358906 B1	19-03-2002
			ZA 9704871 A	20-05-1998
DE 1288747	B	06-02-1969	NONE	
WO 0250008	A	27-06-2002	AU 2395802 A	01-07-2002
			WO 0250008 A2	27-06-2002
			US 2002128323 A1	12-09-2002
WO 03002072	A	09-01-2003	FR 2826572 A1	03-01-2003
			WO 03002072 A1	09-01-2003
WO 03002080	A	09-01-2003	FR 2826573 A1	03-01-2003
			WO 03002080 A1	09-01-2003
WO 0199376	A	27-12-2001	DE 10137901 A1	05-12-2002
			AU 9554001 A	02-01-2002
			WO 0199376 A2	27-12-2001

## INTERNATIONAL SEARCH REPORT

Intern. Application No.

PCT/EP 03/03603

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61K7/32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

CHEM ABS Data, EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 053 989 A (CIBA SC HOLDING AG) 22 November 2000 (2000-11-22) cited in the application claims 1,6,10 paragraphs '0066!-'0069!', '0075!', '0078!	1-9
X	WO 97 46218 A (CIBA GEIGY AG ; SCHNYDER MARCEL (CH); OCHS DIETMAR (DE)) 11 December 1997 (1997-12-11) claims 1-5,13,16 page 9, paragraph 4	1-9
X	DE 12 88 747 B (HENKEL & CIE GMBH) 6 February 1969 (1969-02-06) column 7, line 5-12 claim 1 column 1, line 1-6,63-68	1-3,6-9
	-/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

20 June 2003

Date of mailing of the international search report

30/06/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Hauss, R

# INTERNATIONAL SEARCH REPORT

International Application No.

PC1/EP 03/03603

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 02 50008 A (COBURN ROBERT ALLAN ;HUNTLEY MARIANNE DUDICK (US); WARNER LAMBERT) 27 June 2002 (2002-06-27) example 3 claims 1-6 page 16, line 22 -page 18, line 20 ---	1-4,6-9
P,X	WO 03 002072 A (OREAL ;FORESTIER SERGE (FR); COURBIERE CHRISTOPHE (FR)) 9 January 2003 (2003-01-09) example claims 1,2,8,21 page 1, line 28 -page 3, line 11 ---	1-9
P,X	WO 03 002080 A (OREAL ;FORESTIER SERGE (FR); COURBIERE CHRISTOPHE (FR)) 9 January 2003 (2003-01-09) examples 1-3 claims 1-3,23,35 page 1, line 1 -page 5, paragraph 2 ---	1-9
A	WO 01 99376 A (HENKEL KGAA) 27 December 2001 (2001-12-27) claims page 1-2 -----	1-9

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/03603

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1053989	A	22-11-2000	EP 1053989 A2 BR 0002441 A CN 1275376 A JP 2001011005 A	22-11-2000 02-01-2001 06-12-2000 16-01-2001
WO 9746218	A	11-12-1997	AU 2959497 A BR 9709422 A CA 2252555 A1 CN 1220597 A DE 69715421 D1 WO 9746218 A2 EP 1201229 A1 EP 0914085 A2 ES 2182077 T3 JP 2000512276 T TW 464491 B US 6358906 B1 ZA 9704871 A	05-01-1998 10-08-1999 11-12-1997 23-06-1999 17-10-2002 11-12-1997 02-05-2002 12-05-1999 01-03-2003 19-09-2000 21-11-2001 19-03-2002 20-05-1998
DE 1288747	B	06-02-1969	NONE	
WO 0250008	A	27-06-2002	AU 2395802 A WO 0250008 A2 US 2002128323 A1	01-07-2002 27-06-2002 12-09-2002
WO 03002072	A	09-01-2003	FR 2826572 A1 WO 03002072 A1	03-01-2003 09-01-2003
WO 03002080	A	09-01-2003	FR 2826573 A1 WO 03002080 A1	03-01-2003 09-01-2003
WO 0199376	A	27-12-2001	DE 10137901 A1 AU 9554001 A WO 0199376 A2	05-12-2002 02-01-2002 27-12-2001